

What is claimed is:

1. A wireless control apparatus which performs a wireless communication with a plurality of wireless terminals, comprising:

an evaluation signal receiver which receives evaluation signals relating to received signals in the respective wireless terminals, which are transmitted from said plurality of wireless terminals;

a supplement signal generating unit configured to generate a supplement signal necessary to supplement deficient part of the received signals in said plurality of wireless terminals, using the evaluation signal; and

a supplement signal transmitter which transmits the supplement signal decided by said supplement signal generating unit, to said plurality of wireless terminals.

2. The wireless control apparatus according to claim 1, wherein the evaluation signals are signals which indicate at least one of deficient part of the received information signal at said wireless terminals, propagation environment and capability of wireless terminals.

3. The wireless control apparatus according to claim 1, wherein the supplement signal is a signal instructed to a wireless terminal capable of correctly receiving information signal, to receive the information signal instead of a wireless terminal not being able to correctly receive the information signal.

4. The wireless control apparatus according to claim 1, wherein the supplement signal is a signal which indicates information to be cooperatively received by said plurality of wireless terminals.

5. The wireless control apparatus according to claim 1,

further comprising a terminal information signal register unit configured to register terminal information signal including at least one of transmission speed, propagation environment, processing state and request information signal for said plurality of wireless terminals.

6. The wireless control apparatus according to claim 1, further comprising:

a supplement information signal receiver which receives the information signal received based on the supplement signal by said plurality wireless terminals; and

a supplement information signal transmitter which transmits the information signal received by said supplement information signal receiver to said plurality of wireless terminals.

7. The wireless control apparatus according to claim 1, further comprising:

a supplement information signal receiver which receives at least part of information signal to be received by at least one of said plurality of wireless terminals; and

a supplement information signal transmitter which transmits the information signal received by said information signal receiver to the corresponding wireless terminal, based on the supplement signal.

8. The wireless control apparatus according to claim 1, further comprising:

a distributed wireless network information signal transmitter which transmits information signal necessary to form a distributed wireless network, to surrounding wireless terminals including said plurality of wireless terminals, by every a prescribed time.

9. The wireless control apparatus according to claim 1, further comprising:

a detector which detects a state of forming a distributed wireless network; and

a display unit which displays information relating to the state of forming the distributed wireless network.

10. A wireless terminal configured to performs wireless communication with a wireless control apparatus which transmits a supplement signal necessary to supplement a received signal, comprising:

a transmitter which transmits an evaluation signal relating to the received signal to said wireless control apparatus;

a supplement signal receiver which receives the supplement signal; and

a supplement information signal receiver which receives information signal based on the supplement signal.

11. The wireless terminal according to claim 10, further comprising a supplement information signal communication unit configured to transmit and receive the information signal received by said supplement information signal receiver and the information signal received by the other wireless terminals based on the supplement signal, with the other wireless terminals to each other.

12. The wireless terminal according to claim 10, further comprising a supplement information signal communication unit configure to transmit the information signal received by said supplement information signal receiver to said wireless control apparatus, and receives the information signal received by the other wireless terminals based on the supplement signal via said wireless control apparatus.

13. The wireless terminal according to claim 10, wherein said evaluation signal is a signal indicative of at least one of deficient part of the received information signal,

propagation environment and terminal capability.

14. The wireless terminal according to claim 10, wherein the supplement signal is a signal which indicates to receive information signal instead of an other wireless terminal which cannot correctly receive the information signal when it is possible to correctly receive the information signal to be received.

15. The wireless terminal according to claim 10, wherein the supplement signal is a signal indicative of information signal to be cooperatively received.

16. The wireless terminal according to claim 10, further comprising a terminal information storage which stores terminal information including at least one of transmission speed, propagation environment, processing state and request information.

17. A communication control method which communicates with a wireless control apparatus which performs wireless communication with said wireless terminals, comprising:

receiving evaluation signals at an evaluation signal receiver of said wireless control apparatus, transmitted from the respective wireless terminals;

generating a supplement signal necessary to supplement deficient part of the received signals received at said plurality of wireless terminals, using the evaluation signal; and

transmitting said supplement signal to said plurality of wireless terminals.

18. The communication control method according to claim 17, wherein said evaluation signals are signals which indicate at least one of deficient part of the received information signal at the wireless terminals, propagation environment

and capability of the wireless terminals.

19. The communication control method according to claim 17, wherein the supplement signal is a signal instructed to a wireless terminal capable of correctly receiving information signal, to receive the information signal instead of a wireless terminal not being able to correctly receive the information signal.

20. The communication control method according to claim 17, wherein the supplement signal is a signal which indicates information to be cooperatively received by said plurality of wireless terminals.